

U.S. Department of Commerce
Patent and Trademark Office

AUG 29 2000

Serial No.
09/509,910

Group Art Unit
1646
1647

Filing Date
04/03/2000

Atty. Docket No.
Le A 32 545

SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

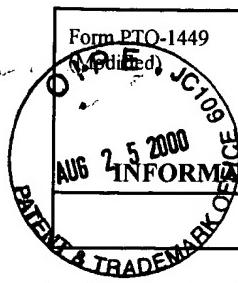
JS	I Aman, M. J., Tayebi, N., Obiri, N. I., Puri, R. K., Modi, W. S., and Leonard, W. J., "cDNA Cloning and Characterization of the Human Interleukin 13 Receptor α Chain", <i>J. Biol. Chem.</i> , <u>271</u> (46): 29265-29270 (Nov. 1995)
	J Bamborough, P., Hedgecock, C. Jr., and Richards, W. G., "The interleukin-2 and intereleukin-4 receptors studied by molecular modelling", <i>Structure</i> , <u>2</u> : 839-851 (Sept. 1994)
	K Cunningham, B. C., and Wells, J. A., "Comparison of a Structural and a Functional Epitope", <i>J. Mol. Biol.</i> , <u>234</u> : 554-563 (1993)
	L Darnell, J. E., Kerr, I. M., and Stark, G. R., "Jak-STAT Pathways and Transcriptional Activation in Response to IFNs and Other Extracellular Signaling Proteins", <i>Science</i> , <u>264</u> : 1415-1421 (Jun. 1994)
	M Garcia, K. C., Scott, C. A., Brunmark, A., Carbone, F. R., Peterson, P. A., Wilson, I. A., and Teyton, L., "CD8 enhances formation of stable T-cell receptor/MHC class I molecule complexes", <i>Nature</i> , <u>384</u> : 577-581 (Dec. 1996)
	N Gauchat, J-F., Schalagenhauf, E., Feng, N-P., Moser, R., Yamage, M., Jeannin, P., Alouani, S., Elson, G., Notarangelo, L. D., Wells, T., Eugster, H-P., and Bonnefoy, J-I., "A novel 4-kb interleukin-13 receptor α mRNA expressed in human B, T, and endothelial cells encoding an alternate type-II interleukin-4/interleukin-13 receptor", <i>Eur. J. Immunol.</i> , <u>27</u> : 971-978 (1997)
	O Heldin, C. H., "Dimerization of Cell Surface Receptors in Signal Transduction", <i>Cell</i> , <u>80</u> : 213-223 (Jan. 1995)
	P Hoffman, R. C., Castner, B. J., Gerhart, M., Gibson, M. G., Rasmussen, B. D., March, C. J., Weatherbee, J., Tsang, M., Gustchina, A., Schalk-Hihi, C., Reshetntkova, L., and Wlodawer, A., "Direct evidence of a heterotrimeric complex of human interleukin-4 with its receptors", <i>Protein Science</i> , <u>6</u> : 494 (1997)
	Q Ihle, J. N., "Cytokine Receptor Signalling", <i>Nature</i> , <u>377</u> : 591-594 (Oct. 1995)
	R Kruse, N., Tony, H-P., and Sebald, W., "Conversion of human interleukin-4 into a high affinity antagonist by a single amino acid replacement", <i>The EMBO Journal</i> , <u>11</u> (9): 3237-3244 (1992)
	S Leonard, W. J., "The defective gene in X-linked severe combined immunodeficiency encodes a shared interleukin receptor subunit: implications for cytokine pleiotropy and redundancy", <i>Current Opinion in Immunology</i> , <u>6</u> : 631-635 (1994)
	T Miloux, B., Laurent, P., Bonnin, O., Lupker, J., Caput, D., Vita, N., and Ferrara, P., "Cloning of the human IL-13R α 1 chain and reconstitution with the IL-4R α of a functional IL-4/IL-13 receptor complex", <i>FEBS Letters</i> , <u>401</u> : 163-166 (1997)
↓	U Müller, T., Sebald, W.,and Oschkinat, H., "Antagonist design through forced electrostatic mismatch. The structure of an Interleukin-4 mutant shows that an uncompensated charge disables the interaction between cytokine and low-affinity receptor", <i>Structural Biology</i> , <u>1</u> (10): 674-676 (Oct. 1994)

EXAMINER

DATE CONSIDERED

10/9/01

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. Department of Commerce
Patent and Trademark Office

RECEIVED
AUG 29 2000

Form PTO-1449
(Revised)

Serial No.
09/509,910

Group Art Unit
1646
1647

Filing Date
04/03/2000

Atty. Docket No.
Le A 32 545

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION

TECH CENTER 1600/2900

Applicant(s) **Walter Sebald**

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>SS</i>	V	Müller, T., Dieckmann, T., Sebald, W., and Oschkinat H., "Aspects of Receptor Binding and Signalling of Interleukin-4 Investigated by Site-directed Mutagenesis and NMR Spectroscopy", <i>J. Mol. Biol.</i> , 237 : 423-436 (1994)
	W	Rozwarski, D. A., Gronemborn, A. M., Clore, G. M., Bazan, J. F., Bohm, A., Wlodawer, A., Hatada, M., and Karplus, P. A., "Structural comparisons among the short-chain helical cytokines", <i>Structure</i> , 2 : 159-173 (March 1994)
	X	Schnarr, B., Ezernieks, J., Sebald, W., and Duschi, A., "IL-4 receptor complexes containing or lacking the γ_c chain are inhibited by an overlapping set of antagonistic IL-4 mutant proteins", <i>International Immunology</i> , 9 (6): 861-868
	Y	Shen, B-J., Hage, T., and Sebald, W., "Global and local determinants for the kinetics of interleukin-4/interleukin-4 receptor α chain interaction. A biosensor study employing recombinant interleukin-4-binding protein", <i>Eur. J. Biochem.</i> , 240 : 252-261 (1996)
	Z	Sugamura, K., Asao, H., Kondo, M., Tanaka, N., Ishii, N., Nakamura, M., and Takeshita, T., "The Common γ -Chain for Multiple Cytokine Receptors", <i>Advances in Immunology</i> , 59 : 225-227 (1995)
	AA	Sugamura, K., Asao, H., Kondo, M., Tanaka, N., Ishii, N., Ohbo, K., Nakamura, M., and Takeshita, T., "The Interleukin-2 Receptor γ Chain: Its Role in the Multiple Cytokine Receptor Complexes and T Cell Development in XSCID", <i>Annu. Rev. Immunol.</i> , 14 : 179-205 (1996)
	BB	Takeshita, T., Asao, H., Ohtani, K., Ishii, N., Kumaki, S., Tanaka, N., Munakata, H., Nakamura, M., Sugamura, K., "Cloning of the γ Chain of the Human IL-2 Receptor", <i>Science</i> , 257 : 379-382 (Jul. 1992)
	CC	Tony, H-P., Shen, B-J., Reusch, P., and Sebald, W., "Design of human interleukin-4 antagonists inhibiting interleukin-4-dependent and interleukin-13-dependent responses in T-cells and B-cells with high efficiency", <i>Eur. J. Biochem.</i> , 225 : 659-665 (1994)
	DD	Valitutti, S., Müller, S., Cella, M., Padovan, E., and Lanzavecchia, A., "Serial triggering of many T-cell receptors by a few peptide-MHC complexes", <i>Nature</i> , 375 : 148-151 (May 1995)
	EE	Wells, J. A., "Structural and functional basis for hormone binding and receptor oligomerization", <i>Current Opinion in Cell Biology</i> , 6 : 163-173 (1994)
↓	FF	Wells, J. A., "Binding in the growth hormone receptor complex", <i>Proc. Natl. Acad. Sci. USA</i> , 93 : 1-6 (Jan. 1996)

EXAMINER: *G. Sebald*

DATE CONSIDERED
Walter

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.